Sara Villa

List of Publications by Year
in descending order

69 papers	2,154 citations	159585 30 h-index	254184 43 g-index
69 all docs	69 docs citations	69 times ranked	2590 citing authors

#	Article	IF	Citations
1	Chemical interactions with snow: Understanding the behavior and fate of semi-volatile organic compounds in snow. Ecotoxicology and Environmental Safety, 2006, 63, 3-16.	6.0	96
2	Rapid Changes in PCB and OC Pesticide Concentrations in Arctic Snow. Environmental Science & Technology, 2005, 39, 2998-3005.	10.0	83
3	POPs in Mountain Soils from the Alps and Andes: Suggestions for a â€˜Precipitation Effectâ€™ on Altitudinal Gradients. Water, Air, and Soil Pollution, 2008, 188, 93-109.	2.4	80
4	Environmental risk assessment for pesticides. Environmental Impact Assessment Review, 2002, 22, 235-248.	9.2	78
5	Comparison of glacial and non-glacial-fed streams to evaluate the loading of persistent organic pollutants through seasonal snow/ice melt. Chemosphere, 2009, 74, 924-930.	8.2	76
6	Legacy and emerging contaminants in meltwater of three Alpine glaciers. Science of the Total Environment, 2017, 574, 350-357.	8.0	72
7	Environmentally relevant concentrations of galaxolide (HHCB) and tonalide (AHTN) induced oxidative and genetic damage in Dreissena polymorpha. Journal of Hazardous Materials, 2015, 285, 1-10.	12.4	71
8	Historical Trends of Organochlorine Pesticides in an Alpine Glacier. Journal of Atmospheric Chemistry, 2003, 46, 295-311.	3.2	67
9	First evidences of the occurrence of polycyclic synthetic musk fragrances in surface water systems in Italy: Spatial and temporal trends in the Molgora River (Lombardia Region, Northern Italy). Science of the Total Environment, 2012, 416, 137-141.	8.0	65
10	Toxicity of Quaternary Ammonium Compounds (QACs) as single compounds and mixtures to aquatic non-target microorganisms: Experimental data and predictive models. Ecotoxicology and Environmental Safety, 2017, 142, 567-577.	6.0	59
11	Quantitative inter-specific chemical activity relationships of pesticides in the aquatic environment. Aquatic Toxicology, 2004, 67, 87-103.	4.0	55
12	Shape and size constraints on dust optical properties from the Dome C ice core, Antarctica. Scientific Reports, 2016, 6, 28162.	3.3	54
13	Risk Assessment for Honeybees from Pesticide-Exposed Pollen. Ecotoxicology, 2000, 9, 287-297.	2.4	49
14	Variation of POP concentrations in fresh-fallen snow and air on an Alpine glacier (Monte Rosa). Ecotoxicology and Environmental Safety, 2006, 63, 25-32.	6.0	43
15	The Evolution of the Environmental Quality Concept: From the US EPA Red Book to the European Water Framework Directive. Environmental Science and Pollution Research, 2006, 13, 9-14.	5.3	41
16	Toxicity on the luminescent bacterium Vibrio fischeri (Beijerinck). II: Response to complex mixtures of heterogeneous chemicals at low levels of individual components. Ecotoxicology and Environmental Safety, 2012, 86, 93-100.	6.0	41
17	QSAR models for bioconcentration: Is the increase in the complexity justified by more accurate predictions?. Chemosphere, 2015, 127, 171-179.	8.2	41
18	Title is missing!. Water, Air, and Soil Pollution, 2003, 146, 335-349.	2.4	40

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19	Polychlorinated naphthalenes in air and snow in the Norwegian Arctic: a local source or an Eastern Arctic phenomenon?. Science of the Total Environment, 2005, 342, 145-160.	8.0	40
20	Analysis of a firn core for assessing POP seasonal accumulation on an Alpine glacier. Ecotoxicology and Environmental Safety, 2006, 63, 17-24.	6.0	39
21	Predicting pesticide fate in small cultivated mountain watersheds using the DynAPlus model: Toward improved assessment of peak exposure. Science of the Total Environment, 2018, 615, 307-318.	8.0	39
22	Use and validation of novel snow samplers for hydrophobic, semi-volatile organic compounds (SVOCs). Chemosphere, 2004, 56, 227-235.	8.2	37
23	Comparison of the behavioural effects of pharmaceuticals and pesticides on Diamesa zernyi larvae (Chironomidae). Environmental Pollution, 2018, 238, 130-139.	7.5	37
24	Evaluating the temporal variability of concentrations of POPs in a glacier-fed stream food chain using a combined modeling approach. Science of the Total Environment, 2014, 493, 571-579.	8.0	35
25	Organochlorine compounds in ice melt water from Italian Alpine rivers. Ecotoxicology and Environmental Safety, 2006, 63, 84-90.	6.0	34
26	POP bioaccumulation in macroinvertebrates of alpine freshwater systems. Environmental Pollution, 2009, 157, 3192-3198.	7.5	34
27	Pharmaceuticals and other urban contaminants threaten Amazonian freshwater ecosystems. Environment International, 2021, 155, 106702.	10.0	33
28	Investigating the mechanisms of bioconcentration through QSAR classification trees. Environment International, 2016, 88, 198-205.	10.0	32
29	Toxicity of individual pharmaceuticals and their mixtures to Aliivibrio fischeri: Experimental results for single compounds and considerations of their mechanisms of action and potential acute effects on aquatic organisms. Environmental Toxicology and Chemistry, 2017, 36, 807-814.	4.3	32
30	Experimental and predicted acute toxicity of antibacterial compounds and their mixtures using the luminescent bacterium Vibrio fischeri. Chemosphere, 2014, 108, 239-244.	8.2	31
31	Risk of POP mixtures on the Arctic food chain. Environmental Toxicology and Chemistry, 2017, 36, 1181-1192.	4.3	31
32	Predicting pesticide mixtures load in surface waters from a given crop. Agriculture, Ecosystems and Environment, 2005, 111, 111-118.	5.3	30
33	Ontogenetic development, sexual differentiation, and effects of Aroclor 1254 exposure on expression of the arylhydrocarbon receptor and of the arylhydrocarbon receptor nuclear translocator in the rat hypothalamus. Reproductive Toxicology, 2005, 20, 521-530.	2.9	30
34	Legacy organochlorine pollutants in glacial watersheds: a review. Environmental Sciences: Processes and Impacts, 2017, 19, 1474-1483.	3.5	30
35	Spatial-temporal analysis and risk characterisation of pesticides in Alpine glacial streams. Environmental Pollution, 2019, 248, 659-666.	7.5	30
36	Bacteria contribute to pesticide degradation in cryoconite holes in an Alpine glacier. Environmental Pollution, 2017, 230, 919-926.	7.5	29

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37	Occurrence of pesticides in surface water bodies: a critical analysis of the Italian national pesticide survey programs. Journal of Environmental Monitoring, 2011, 13, 49-57.	2.1	28
38	Persistent organic pollutant in a fish community of a sub-alpine lake. Environmental Pollution, 2011, 159, 932-939.	7.5	28
39	Theoretical and experimental evidences of medium range atmospheric transport processes of polycyclic musk fragrances. Science of the Total Environment, 2014, 481, 27-34.	8.0	26
40	Ecological risk assessment of pesticides in urban streams of the Brazilian Amazon. Chemosphere, 2022, 291, 132821.	8.2	26
41	Ecotoxicology: The Challenges for the 21st Century. Toxics, 2013, 1, 18-35.	3.7	24
42	Expert QSAR system for predicting the bioconcentration factor under the REACH regulation. Environmental Research, 2016, 148, 507-512.	7.5	24
43	Linking sub-individual and supra-individual effects in Daphnia magna exposed to sub-lethal concentration of chlorpyrifos. Environmental Pollution, 2018, 235, 411-418.	7.5	24
44	Toxicity of individual pharmaceuticals and their mixtures to Aliivibrio fischeri: Evidence of toxicological interactions in binary combinations. Environmental Toxicology and Chemistry, 2017, 36, 815-822.	4.3	21
45	Variability of Anthropogenic and Natural Compounds in High Altitudeâ€“high Accumulation Alpine Glaciers. Hydrobiologia, 2006, 562, 43-56.	2.0	20
46	Spatial and temporal trend of groundwater contamination from terbuthylazine and desethyl-terbuthylazine in the Lombardy Region (Italy). Environmental Sciences: Processes and Impacts, 2013, 15, 366-372.	3.5	19
47	Behavioural and biochemical alterations by chlorpyrifos in aquatic insects: an emerging environmental concern for pristine Alpine habitats. Environmental Science and Pollution Research, 2020, 27, 30918-30926.	5.3	19
48	Natural molecule coatings modify the fate of cerium dioxide nanoparticles in water and their ecotoxicity to Daphnia magna. Environmental Pollution, 2020, 257, 113597.	7.5	18
49	First record of emerging contaminants in sponges of an inhabited island in the Maldives. Marine Pollution Bulletin, 2020, 156, 111273.	5.0	16
50	The effects of accumulation of an environmentally relevant polychlorinated biphenyl mixture on cytochrome P450 and P-glycoprotein expressions in fetuses and pregnant rats. Chemosphere, 2009, 75, 572-579.	8.2	15
51	Environmental risk classification of emerging contaminants in an alpine stream influenced by seasonal tourism. Ecological Indicators, 2020, 115, 106428.	6.3	14
52	Burkholderia thailandensis E264 as a promising safe rhamnolipidsâ€™ producer towards a sustainable valorization of grape marcs and olive mill pomace. Applied Microbiology and Biotechnology, 2021, 105, 3825-3842.	3.6	13
53	Pesticide risk assessment in a lagoon ecosystem. Part I: Exposure assessment. Environmental Toxicology and Chemistry, 2003, 22, 928-935.	4.3	12
54	Evaluating pesticide effects on freshwater invertebrate communities in alpine environment: a model ecosystem experiment. Ecotoxicology, 2012, 21, 2051-2067.	2.4	12

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55	Pesticide risk assessment in a lagoon ecosystem. Part II: Effect assessment and risk characterization. Environmental Toxicology and Chemistry, 2003, 22, 936-942.	4.3	11
56	Post-Depositional Biodegradation Processes of Pollutants on Glacier Surfaces. Condensed Matter, 2018, 3, 24.	1.8	11
57	Responsiveness of hepatic and cerebral cytochrome P450 in rat offspring prenatally and lactationally exposed to a reconstituted PCB mixture. Environmental Toxicology, 2014, 29, 856-866.	4.0	10
58	Nanoplastics: Status and Knowledge Gaps in the Finalization of Environmental Risk Assessments. Toxics, 2022, 10, 270.	3.7	8
59	Local versus longitudinal biological variability in a high gradient stream. Hydrobiologia, 2002, 477, 107-114.	2.0	7
60	A quantitative structure-activity relationships approach to predict the toxicity of narcotic compounds to aquatic communities. Ecotoxicology and Environmental Safety, 2020, 190, 110068.	6.0	7
61	Spatial and temporal trends in the ecological risk posed by polycyclic aromatic hydrocarbons in Mediterranean Sea sediments using large-scale monitoring data. Ecological Indicators, 2021, 129, 107923.	6.3	6
62	Effects of a treated sewage effluent on behavioural traits in Diamesa cinerella and Daphnia magna. Journal of Limnology, 2018, , .	1.1	5
63	Investigation of the Combined Effects of Rising Temperature and Pesticide Contamination on the Swimming Behaviour of Alpine Chironomids. Water (Switzerland), 2021, 13, 3618.	2.7	4
64	Use of the Species Sensitivity Distribution Approach to Derive Ecological Threshold of Toxicological Concern (eco-TTC) for Pesticides. International Journal of Environmental Research and Public Health, 2021, 18, 12078.	2.6	3
65	Predicted no effect concentration (PNEC). , 2024, , 881-889.		3
66	Integrated Exposure and Algal Ecotoxicological Assessments of Effluents from Secondary and Advancedâ€Tertiary Wastewaterâ€Treatment Plants. Environmental Toxicology and Chemistry, 2022, 41, 2404-2419.	4.3	3
67	Distribution and cytochrome P450 induction in mothers and offspring rat organs after PCB treatment during pregnancy and lactation. Toxicology Letters, 2006, 164, S171-S172.	0.8	2
68	EXPERIMENTAL AND PREDICTED TOXICITY OF BINARY COMBINATIONS OF DICLOFENAC SODIUM, CARBAMAZEPINE AND CAFFEINE TO Aliivibrio fischeri. Environmental Engineering and Management Journal, 2016, 15, 1971-1980.	0.6	1
69	Behavioural responses of juvenile Daphnia magna to two organophosphorus insecticides. Journal of Limnology, 0, , .	1.1	0